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CENTRAL INTELLIGENCE AGENCY  
INFORMATION REPORT

REPORT NO.

CD. NO.

COUNTRY

East Germany

DATE DISTR. 28 May 1954

SUBJECT

Faulty Construction of Medium-Wave  
Transmitter Developed by Funkwerk  
Koepenick

NO OF PAGES

1

PLACE

ACQUIRED

NO OF ENCLS.

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SUPPLEMENT TO  
REPORT NO.

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THIS IS UNEVALUATED INFORMATION

1. East Germany is experiencing continuing difficulties in operating transmitters on regular schedules because of faulty construction, based on incomplete developmental and experimental work. The two-channel medium-wave transmitter at Koepenick, known as "Z.3.", displays certain difficulties that are characteristic of other East German transmitters, though not necessarily identical.
2. Theoretically, Z.3.'s two channels are supposed to be equal in strength. In fact, however, one channel is considerably stronger and better than the other. This resulted in the stronger of the two final stage transmitters feeding the weaker when the two were coupled, which caused too great a voltage (Spannung) in the weaker. This, in turn, caused noise, disturbance and, finally, cessation of transmission.
3. The decision to begin operation of Z.3. on 1 May 1953 was political 1/. Technical personnel from Funkwerk Koepenick were able to operate the transmitter on an experimental basis by that date, reserving the right to continue work on it in order to improve its operation. Administrative officials of Funkwerk Koepenick, however, in order to gain political recognition and award, declared the experimentally operating transmitter as complete. Funds previously allocated to the development and construction of Z.3. were de-allocated because the transmitter was "completed" by 1 May 1953. Because of the faults indicated above, the transmitter stopped operating as a 500-kw two-channel transmitter sometime in July 1953. A request for funds with which to correct faults was refused. Thus, the transmitter remains a single 250-kw transmitter similar to SM IV near Wilsdruff. Other repairs could not be charged to development, because it had been reported completed. Parts and funds had to be taken from other transmitters considered as development or construction projects.

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